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L1              STR
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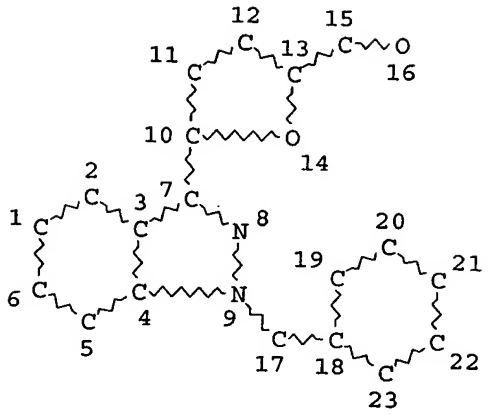

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NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  23

STEREO ATTRIBUTES: NONE
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L21           1 SEA FILE=REGISTRY ABB=ON  PLU=ON  170632-47-0
L22         138 SEA FILE=REGISTRY ABB=ON  PLU=ON  L3 NOT L21
L23          36 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L22


=> d l23 ibib abs hitstr 1-36

L23  ANSWER 1 OF 36  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2005:1341973  HCAPLUS
TITLE:                   The design and synthesis of YC-1 analogs as probes for
                         soluble guanylate cyclase
AUTHOR(S):               Hering, Kirk W.; Artz, Jennifer D.; Pearson, William
                         H.; Marletta, Michael A.
CORPORATE SOURCE:        Department of Chemistry, University of Michigan, Ann
                         Arbor, MI, 48109-1055, USA
SOURCE:                  Bioorganic & Medicinal Chemistry Letters (2006),
                         16(3), 618-621
                         CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER:               Elsevier B.V.
DOCUMENT TYPE:           Journal
LANGUAGE:                English
AB  Soluble guanylate cyclase (sGC) is highly activated in the presence of both
    YC-1 [1-benzyl-3-(5-hydroxymethyl-2-furyl)indazole] and CO. The design,
    synthesis, and activity (i.e., sGC activation) of photolabile analogs of
    YC-1 are presented. Initial results with 6-azido-3-(5-hydroxymethyl-2-
    furyl)-1-benzylindazole led to the synthesis of a tritium-labeled analog.
    When photoactivated, this analog labeled the α-subunit of sGC.
IT  876365-94-5P
    RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic
    preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant
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```
=> d his ful

     (FILE 'HOME' ENTERED AT 14:15:25 ON 13 MAR 2006)

     FILE 'REGISTRY' ENTERED AT 14:16:41 ON 13 MAR 2006
L1             STR
L2              10 SEA SSS SAM L1
L3             139 SEA SSS FUL L1

     FILE 'HCAPLUS' ENTERED AT 14:18:20 ON 13 MAR 2006
L4             170 SEA ABB=ON  PLU=ON  L3

     FILE 'REGISTRY' ENTERED AT 14:19:11 ON 13 MAR 2006
L5             STR L1
L6             121 SEA SUB=L3 SSS FUL L5

     FILE 'HCAPLUS' ENTERED AT 14:20:07 ON 13 MAR 2006
L7             170 SEA ABB=ON  PLU=ON  L6

     FILE 'REGISTRY' ENTERED AT 14:20:12 ON 13 MAR 2006
L8             STR L5
L9               0 SEA SUB=L3 SSS SAM L8
L10              1 SEA SUB=L3 SSS FUL L8
                   D SCA
L11              STR L8
L12             93 SEA SUB=L3 SSS FUL L11

     FILE 'HCAPLUS' ENTERED AT 14:23:32 ON 13 MAR 2006
L13            170 SEA ABB=ON  PLU=ON  L12

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L15              0 SEA SSS FUL L8

     FILE 'MARPAT' ENTERED AT 14:25:13 ON 13 MAR 2006
L16              0 SEA SSS SAM L8
L17              2 SEA SSS FUL L8

     FILE 'HCAPLUS' ENTERED AT 14:25:30 ON 13 MAR 2006
L18              1 SEA ABB=ON  PLU=ON  L10

     FILE 'MARPAT' ENTERED AT 14:25:34 ON 13 MAR 2006
L19              1 SEA ABB=ON  PLU=ON  L17 NOT L18


     FILE HOME

     FILE REGISTRY
     Property values tagged with IC are from the ZIC/VINITI data file
     provided by InfoChem.

     STRUCTURE FILE UPDATES:   12 MAR 2006  HIGHEST RN 876514-29-3
     DICTIONARY FILE UPDATES:  12 MAR 2006  HIGHEST RN 876514-29-3

     New CAS Information Use Policies, enter HELP USAGETERMS for details.

     TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006
```

Please note that search-term pricing does apply when conducting SmartSELECT searches.

****
* *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
* *
****

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

FILE HCAPLUS

FILE COVERS 1907 - 13 Mar 2006 VOL 144 ISS 12
FILE LAST UPDATED: 12 Mar 2006 (20060312/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE BEILSTEIN
FILE LAST UPDATED ON JANUARY 17, 2006

FILE COVERS 1771 TO 2005.
FILE CONTAINS 9,428,406 SUBSTANCES

>>>PLEASE NOTE: Reaction Data and substance data are stored in separate documents and can not be searched together in one query. Reaction data for BEILSTEIN compounds may be displayed immediately with the display codes PRE (preparations) and REA (reactions). A substance answer set retrieved after the search for a chemical name, a compounds with available reaction information by combining with PRE/FA, REA/FA or more generally with RX/FA. The BEILSTEIN Registry Number (BRN) is the link between a BEILSTEIN compound and belonging reactions. For mo detailed reaction searches BRNs can be searched as reaction partner BRNs Reactant BRN (RX.RBRN) or Product BRN (RX.PBRN).<<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

****
* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST. *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS. *
* FOR PRICE INFORMATION SEE HELP COST *
****

NEW

*** PATENT NUMBERS (PN) AND BABS ACCESSION NUMBERS (BABSAN) CAN NOW BE SEARCHED, SELECTED AND TRANSFERRED.**

*** NEW DISPLAY FORMATS ALLREF, ALLP AND BABSAN SHOW ALL REFERENCES, ALL PATENT REFERENCES, OR ALL BABS ACCESSION NUMBERS FOR A COMPOUND AT A GLANCE.**

FILE MARPAT
FILE CONTENT: 1910-PRESENT VOL 144 ISS 11 (20060310/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1910-1987

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 2006030554 09 FEB 2006
DE 102004053311 05 JAN 2006
EP 1609846 28 DEC 2005
JP 2006003337 05 JAN 2006
WO 2006012333 02 FEB 2006
GB 2415429 28 DEC 2005
FR 2873371 27 JAN 2006
RU 2266908 27 DEC 2005
CA 2495134 23 DEC 2005

Expanded G-group definition display now available.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

=> fil marpat
FILE 'MARPAT' ENTERED AT 14:27:14 ON 13 MAR 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE CONTENT: 1910-PRESENT VOL 144 ISS 11 (20060310/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1910-1987

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 2006030554 09 FEB 2006
DE 102004053311 05 JAN 2006
EP 1609846 28 DEC 2005
JP 2006003337 05 JAN 2006
WO 2006012333 02 FEB 2006
GB 2415429 28 DEC 2005

FR 2873371 27 JAN 2006
RU 2266908 27 DEC 2005
CA 2495134 23 DEC 2005

Expanded G-group definition display now available.

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=> d que stat l18
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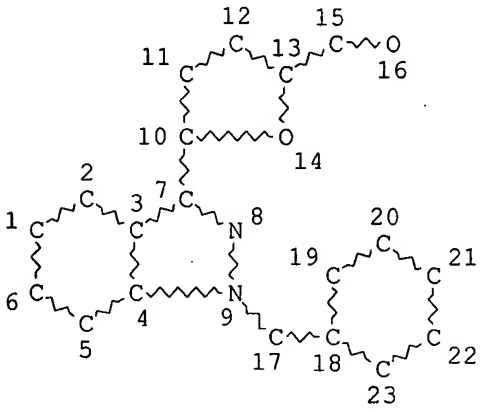
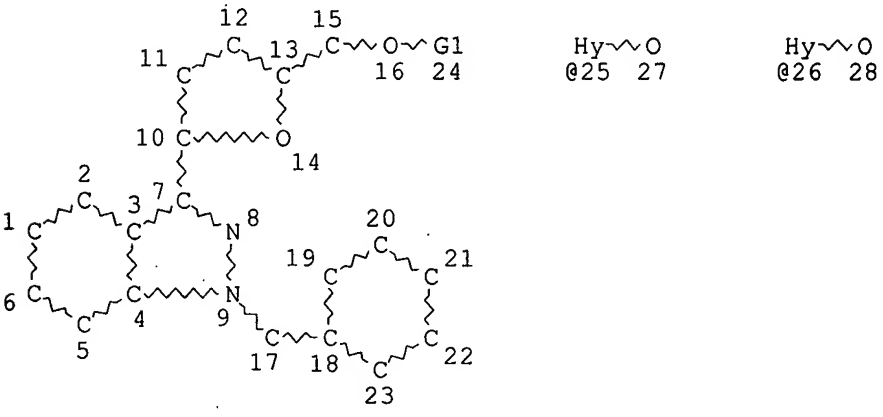


NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 23

STEREO ATTRIBUTES: NONE
L3 139 SEA FILE=REGISTRY SSS FUL L1
L8 STR



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DEFAULT MLEVEL IS ATOM

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ECOUNT  IS E5 C  E1 O  AT  25
ECOUNT  IS E4 C  E1 O  AT  26

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  28

STEREO ATTRIBUTES: NONE
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L18           1 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L10


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YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y



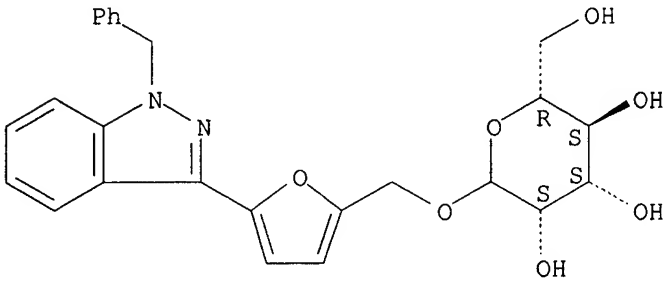
L18  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2004:902206  HCAPLUS
DOCUMENT NUMBER:          141:388641
TITLE:                    HIF-1 expression inhibition-based method for
                          inhibiting tumor angiogenesis and tumor growth
INVENTOR(S):              Park, Jong-Wan; Chun, Yang-Sook; Kim, Jinho
PATENT ASSIGNEE(S):       Bizbiotech Co., Ltd., USA
SOURCE:                   PCT Int. Appl., 69 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   3
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
     ---------------      ----   --------    --------------------     --------
     WO 2004091648         A1    20041028    WO 2004-US10327          20040401
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
             BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
             ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
             SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
             TD, TG
     US 2004198798         A1    20041007    US 2003-407136           20030407
     US 2005096370         A1    20050505    US 2003-642363           20030814
PRIORITY APPLN. INFO.:                       US 2003-407136       A   20030407
                                             US 2003-642363       A   20030814

OTHER SOURCE(S):          MARPAT 141:388641
AB   The invention provides methods and pharmaceutical compns. for inhibiting
     expression of HIF-1 and HIF-1-regulated genes, angiogenesis, tumor growth,
     or tumor progression/metastasis, comprising contacting the tumor cells or
     tissue with a composition comprising 3-(5'-hydroxymethyl-2'-furyl)-1-
     benzylindazole, or a derivative thereof.
IT   781663-33-0
```

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(HIF-1 expression inhibition-based method for inhibiting tumor angiogenesis and tumor growth)
RN 781663-33-0 HCAPLUS
CN D-Mannopyranoside, [5-[1-(phenylmethyl)-1H-indazol-3-yl]-2-furanyl]methyl (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> fil marpat
FILE 'MARPAT' ENTERED AT 14:27:38 ON 13 MAR 2006
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FILE CONTENT: 1910-PRESENT VOL 144 ISS 11 (20060310/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1910-1987

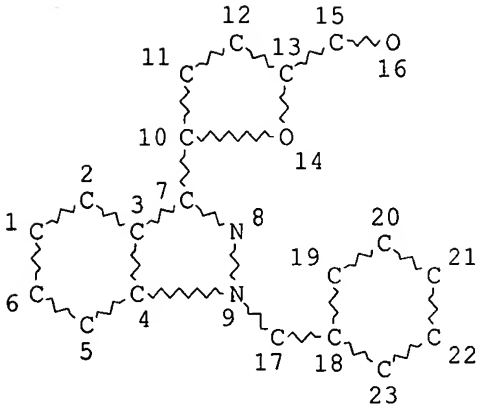
MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 2006030554 09 FEB 2006
DE 102004053311 05 JAN 2006
EP 1609846 28 DEC 2005
JP 2006003337 05 JAN 2006
WO 2006012333 02 FEB 2006
GB 2415429 28 DEC 2005
FR 2873371 27 JAN 2006
RU 2266908 27 DEC 2005
CA 2495134 23 DEC 2005

Expanded G-group definition display now available.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

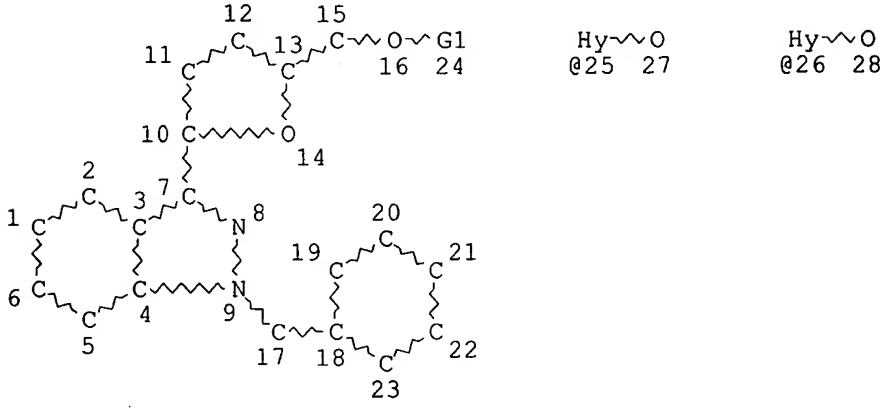
=> d que stat l19
L1 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 23

STEREO ATTRIBUTES: NONE
L3 139 SEA FILE=REGISTRY SSS FUL L1
L8 STR



VAR G1=25/26
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY SAT AT 25
GGCAT IS MCY SAT AT 26
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E5 C E1 O AT 25
ECOUNT IS E4 C E1 O AT 26

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 28

STEREO ATTRIBUTES: NONE

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L17           2 SEA FILE=MARPAT SSS FUL L8
L18           1 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L10
L19           1 SEA FILE=MARPAT ABB=ON  PLU=ON  L17 NOT L18


=> d l19 ibib abs qhit

L19  ANSWER 1 OF 1  MARPAT  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         142:441845  MARPAT
TITLE:                    Method for inhibiting tumor angiogenesis and tumor
                          growth
INVENTOR(S):              Park, Jong-Wan; Chun, Yang-Sook; Kim, Jinho
PATENT ASSIGNEE(S):       Bizbiotech Co., Ltd., S. Korea
SOURCE:                   U.S. Pat. Appl. Publ., 36 pp., Cont.-in-part of U.S.
                          Ser. No. 407,136.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   3
PATENT INFORMATION:

     PATENT NO.          KIND  DATE          APPLICATION NO.   DATE
     ---------------     ----  --------      ---------------   --------
     US 2005096370        A1   20050505      US 2003-642363    20030814
     US 2004198798        A1   20041007      US 2003-407136    20030407
     WO 2004091648        A1   20041028      WO 2004-US10327   20040401
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
             BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
             ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
             SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
             TD, TG
PRIORITY APPLN. INFO.:                    US 2003-407136    20030407
                                          US 2003-642363    20030814

GI
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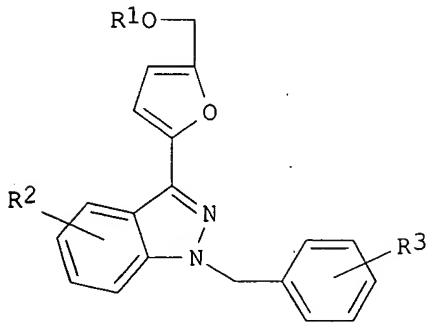
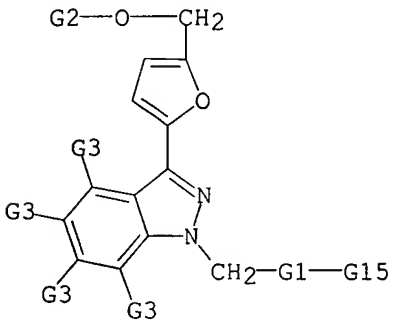


I

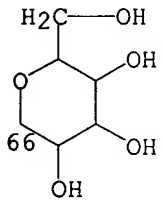
AB The present invention provides methods and pharmaceutical compns. for

inhibiting expressions of HIF-1 and HIF-1-regulated genes, angiogenesis, tumor growth, or tumor progression/metastasis comprising contacting the tumor cells or tissue with a composition comprising 3-(5'-hydroxymethyl-2'-furyl)-1-benzylindazole, or mixture of compds. of the formula I (where R1 = polyol, R2, R3 = H, alkyl, alkoxy,halogen, etc.).

MSTR 1



G1 = phenylene
G2 = 66



Patent location:	claim 7
Note:	substitution is restricted
Note:	additional ring and oxo formation also disclosed
Note:	and pharmaceutically acceptable solvates and salts
Stereochemistry:	and isomers and mixtures of isomers